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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,578	03/25/2004	Michael Mathew Wirtz	84647	9303
23572	7590	01/08/2008		
NAVAIRWD COUNSEL GROUP (CODE K0000D) 1 ADMINISTRATION CIRCLE CHINA LAKE, CA 93555-6100			EXAMINER RASHIDIAN, MOHAMMAD M	
			ART UNIT	PAPER NUMBER
			2624	
			MAIL DATE	DELIVERY MODE
			01/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/816,578	Applicant(s) WIRTZ ET AL.	
	Examiner Mehdi Rashidian	Art Unit 2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1- 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Alexander Jr. (US Patent 6,083,353) henceforth referred to as Alexander.

Regarding **Claim 1**, Alexander teaches, an apparatus providing true geodetic coordinates of a target position using an optical stereo image database comprising: a portable personal computing device (PC) having means to accept input and commands, means to output, a memory means, and means to display a set of optical stereo images, side by side, from said optical stereo image database, (figs. 1-4, abstract, Column 3, lines 22-65, column 6, lines 51-65),

- comprising a first image and a second image; and, a processor configured to maintain said optical stereo image database comprising at least one set of said stereo images with corresponding geodetic data, and to execute a process corresponding to said input and commands, said process comprising, accepting input of geodetic coordinates of an own position (OP); (column 8, lines 22-35),

- extracting the set of stereo images centered around said OP from said stereo image database and storing said images in said memory means; displaying said stereo images via said display means and displaying a first marker corresponding to the OP on each of the first and second images, (column 8, lines 22-35),
- accepting input of target position (TGT) on said first stereo image and displaying a second marker corresponding to the TGT on the first image; autocorrelating and displaying said second marker corresponding to the TGT on said second stereo image; receiving approval of the selection of TGT; computing the true geodetic coordinates and elevation for the TGT including correcting said geodetic data from the optical stereo image database for local magnetic declination variance; outputting the true geodetic coordinates, inclination and range of TGT (fig. 7, column 6, lines 1-20).

Regarding **Claim 2**, Alexander teaches, the apparatus of **claim 1** wherein said portable personal computing device comprises a Panasonic Toughbook TM or a Dell Inspiron TM (column 2, lines 20-35).

Regarding **Claim 3**, Alexander teaches, the apparatus of **claim 1** wherein said optical stereo image database comprises the Digital Point Positioning Database (DPPDB), (abstract, fig.4, column 3, lines 22-65).

Regarding **Claim 4**, Alexander teaches, the apparatus of **claim 1** wherein said true geodetic coordinates of said own position (OP) are obtained from said image database, a Global Positioning system (GPS) receiver, an Advanced Targeting Forward Looking Radar (ATFLIR) image, a Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) pod, or the FalconView mapping system, (fig.6, column 2, lines 54-65).

Regarding **Claim 5**, Alexander teaches, the apparatus of **claim 1** wherein said geodetic coordinates are in the World Geodetic System 1984 (WGS-84), the Military Grid Reference System (MGRS), or like reference system (column 13, lines 25-38).

Regarding **Claim 6**, Alexander teaches, the process of **claim 1** wherein the process utilizes the Reference Point Method (RPM) for correcting said geodetic data from the optical stereo image database for local magnetic declination variance (column 7, lines 10-38).

Regarding **Claim 7**, Alexander teaches, a method for providing true geodetic coordinates of a target position using an optical stereo image database comprising: providing a portable personal computing device (PC) having means to accept input and commands, means to output, a memory means, and means to display a set of optical stereo images, side by side, from said optical stereo image database, (figs. 1-4,

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abstract, Column 3, lines 22-65, column 6, lines 51-65),

- comprising a first image and a second image; and, providing a processor configured to maintain a stereo image database comprising optical stereo imagery with corresponding geodetic data, and to execute a process corresponding to said input and commands, said process comprising, accepting input of geodetic coordinates of an own position (OP); (column 8, lines 22-35),
- extracting the set of stereo images centered around said OP from said stereo image database and storing said images in said memory means; displaying said stereo images via said display means and displaying a first marker corresponding to the OP on each of the first and second images, (column 8, lines 22-35),
- accepting input of target position (TGT) on said first stereo image and displaying a second marker corresponding to the TGT on the first image; autocorrelating and displaying said second marker corresponding to the TGT on said second stereo image; receiving approval of the selection of TGT; computing the true geodetic coordinates and elevation for the TGT including correcting said geodetic data from the optical stereo image database for local magnetic declination variance; outputting the true geodetic coordinates, inclination and

range of TGT, (fig. 7, column 6, lines 1-20).

Regarding **Claim 8**, Alexander teaches, the method of **claim 7** wherein said portable personal computing device comprises a Panasonic Toughbook TM or a Dell Inspiron TM (column 2, lines 20-35).

Regarding **Claim 9**, Alexander teaches, the method of **claim 7** wherein said optical stereo image database comprises the Digital Point Positioning Database (DPPDB) (abstract, fig.4, column 3, lines 22-65).

Regarding **Claim 10**, Alexander teaches, the method of **claim 7** wherein said true geodetic coordinates of said own position (OP) 2 are obtained from said image database, a Global Positioning System (GPS) receiver, an 3 Advanced Targeting Forward Looking Radar (ATFLIR) image, a Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) pod, or the FalconView mapping system, (fig.6, column 2, lines 54-65).

Regarding **Claim 11**, Alexander teaches, the method of **claim 7** wherein said geodetic coordinates are in the World Geodetic System 1984 (WGS-84), the Military Grid Reference System (MGRS), or like reference system, (column 13, lines 25-38).

Regarding **Claim 12**, Alexander teaches, the method of **claim 7** wherein the process

utilizes the Reference Point Method (RPM) for correcting said geodetic data from the optical stereo image database for local magnetic declination variance, (column 7, lines 10-38).

Regarding **Claim 13**, Alexander teaches, a computer program product, embodied on a computer readable medium, for providing true geodetic coordinates of a target position using an optical stereo image database comprising: computer code embedded in a portable personal computer (PC) having a computer program code causing said PC to interface with a user and with other electronic medium; computer code for receiving input and commands and for outputting data; computer code for displaying a set stereo images side by side, from said optical stereo image database, (figs. 1-4, abstract, Column 3, lines 22-65, column 6, lines 51-65),

- comprising a first image and a second image; computer code for configuring a processor to maintain said optical stereo image database comprising at least one set of said stereo images with corresponding geodetic data; and, computer code to execute a process corresponding to said input and commands, said process comprising, accepting input of geodetic coordinates of an own position (OP); (column 8, lines 22-35),
- extracting the set of stereo images centered around said OP from said stereo image database and storing said images in said memory means;

displaying said stereo images via said display means and displaying a first

- marker corresponding to the OP on each of the first and second images; (column 8, lines 22-35),
- accepting input of target position (TGT) on said first stereo image and displaying a second marker corresponding to the TGT on the first image; autocorrelating and displaying said second marker corresponding to the TGT on said second stereo image; receiving approval of the selection of TGT; computing the true geodetic coordinates and elevation for the TGT including correcting said geodetic data from the optical stereo image database for local magnetic declination variance; outputting the true geodetic coordinates, inclination and range of TGT, (fig. 7, column 6, lines 1-20).

Regarding **Claim 14**, Alexander teaches, the computer program product of **claim 13** wherein said portable personal computer (PC) comprises a Panasonic Toughbook TM or a Dell Inspiron TM, (column 2, lines 20-35).

Regarding **Claim 15**, Alexander teaches, the computer program product of **claim 13** wherein said optical stereo image database comprises the Digital Point Positioning Database (DPPDB); (abstract, fig.4, column 3, lines 22-65).

Regarding **Claim 16**, Alexander teaches, the computer program product of **claim 13**

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wherein said true geodetic coordinates of said own position (OP) are obtained from said image database, a Global Positioning System (GPS) receiver, an Advanced Targeting Forward Looking Radar (ATFLIR) image, a Low 4 Altitude Navigation and Targeting Infrared for Night (LANTIRN) pod, or the FalconView mapping system, (fig.6, column 2, lines 54-65).

Regarding **Claim 17**, Alexander teaches, the computer program product of **claim 13** wherein said geodetic coordinates are in the World Geodetic System 1984 (WGS-84), the Military Grid Reference System (MGRS), or 3 like reference system, (column 13, lines 25-38).

Regarding **Claim 18**, Alexander teaches, the computer program product of **claim 13** wherein the process utilizes the Reference 2 Point Method (RPM) for correcting said geodetic data from the optical stereo image 3 database for local magnetic declination variance (column 7, lines 10-38).

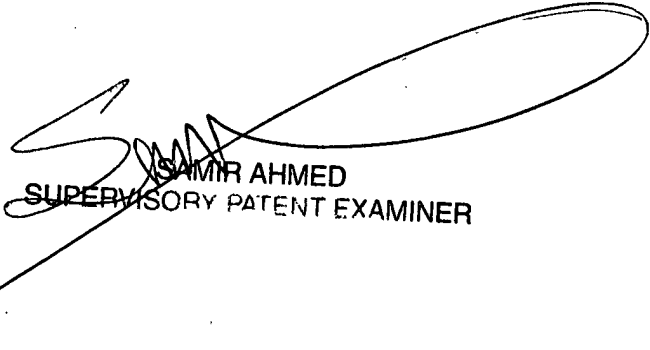
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mehdi Rashidian whose telephone number is (571) 272-9763. The examiner can normally be reached on Mon-Thurs 9:00AM to 8:00PM, ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samir Ahmed can be reached on (571) 272-7413. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mehdi Rashidian
12-30-07



SAMIR AHMED
SUPERVISORY PATENT EXAMINER